

# ROAD AND FARM IMPROVEMENT

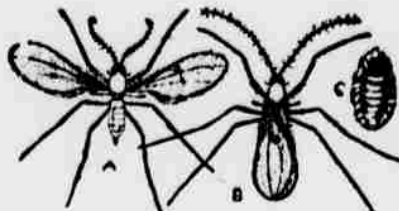
## WHEAT MIDGE.

Description and Habits of This Enemy of the Wheat Plant.

Prof. H. A. Gossard, entomologist of the Ohio station, says:

The fly, which is a close relative of the Hessian fly, is a very small, delicate insect, appearing on the wing some time in June, usually about the date when the fireflies first appear and the blossoms of the locust trees are fading and falling to the ground.

The eggs are laid in a cavity or groove at the upper end of the outermost chaff, so that the young maggots on hatching can readily reach the incipient kernel. These reddish larvae imbibe nourishment from the milky kernel, ceasing to feed after the grain becomes hard. When full grown they seek the earth, generally by crawling down the stalk when it is wet with dew or by sliding down in a raindrop. Going about one-half an inch beneath the surface, they make cocoons not



Wheat Midge (*Diplosis tritici*), a, female fly; b, male fly; c, larvae from below.

larger than mustard seeds, very difficult to find, in which they remain until the following summer, when they again issue as flies. However, many of the larvae have not left the heads by harvest time and these are carried into the barn or stack; they soon become dry and shrink away from their skins, becoming "cased larvae;" these do not feed; they again become active when thoroughly moistened, even after having lain quiescent for more than half a year. Since the chaff from the threshing machine contains countless numbers of these "cased larvae," it should be promptly burned; the bulk of the straw can be put to its customary use without special danger.

The great majority of the flies are always derived from the pupae buried in old wheat fields. Rotation of crops will be of some help in controlling them, many of the flies becoming lost and perishing while hunting new fields in which to lay their eggs. However, the only thorough remedy is to plow the stubble under in the fall to such a depth that the flies cannot make their way to the surface the next year. This should be done as soon after harvest as possible. Plowing to a depth of eight or nine inches is sufficient. Burning the stubble before plowing will help. Neighborhood cooperation in all these remedial measures is important.

## FOR GOOD ROADS.

What Pennsylvania Is Doing to Improve Her Highways.

Pennsylvania thinks it has the most liberal good roads law in the country and thinks it is doing more to make good roads than any other state in the union. The law, which was passed in 1905, runs for five years and appropriates a total for the state's share in making good roads, \$6,356,232. Nearly \$1,000,000 was expended for the fiscal year of 1905 and for the years 1906-'07, each, \$1,250,000 is set aside. For the next two years the annual expenditure will be \$1,500,000. This represents three-fourths of the sum expended. Of the remainder the county pays one-eighth and the township one-eighth. The roads must be permanent and the standard is very high. There is a state department of highways, and when the state first began this system that department complained that the counties and townships refused to do, or were very slow in doing their part. But the small beginning won for itself, and now the local bodies are most eager for the work, making greater demands than the appropriation can meet. The amount of work already applied for by the counties outruns the state appropriation by millions of dollars. In other words, the farmers, seeing what good roads mean to them, are eager to pay their part where the state helps so liberally. In 48 of the 66 counties the entire amount allotted has been absorbed. Chester county, for example, has made 11 miles of road and has applied for 13 miles more, which exhausts its share of the state aid. But it has additionally applied for 229 miles more. Altogether the state is so pleased with the good roads experiment that it is believed the legislature will enlarge the appropriation. The state treasury has a large surplus, and it is proposed to exhaust it in giving the state good roads.



# WHAT JOY THEY BRING TO EVERY HOME

as with joyous hearts and smiling faces they romp and play—when in health—and how conducive to health the games in which they indulge, the outdoor life they enjoy, the cleanly, regular habits they should be taught to form and the wholesome diet of which they should partake. How tenderly their health should be preserved, not by constant medication, but by careful avoidance of every medicine of an injurious or objectionable nature, and if at any time a remedial agent is required, to assist nature, only those of known excellence should be used; remedies which are pure and wholesome and truly beneficial in effect, like the pleasant laxative remedy, Syrup of Figs, manufactured by the California Fig Syrup Co. Syrup of Figs has come into general favor in many millions of well informed families, whose estimate of its quality and excellence is based upon personal knowledge and use.

Syrup of Figs has also met with the approval of physicians generally, because they know it is wholesome, simple and gentle in its action. We inform all reputable physicians as to the medicinal principles of Syrup of Figs, obtained, by an original method, from certain plants known to them to act most beneficially and presented in an agreeable syrup in which the wholesome Californian blue figs are used to promote the pleasant taste; therefore it is not a secret remedy and hence we are free to refer to all well informed physicians, who do not approve of patent medicines and never favor indiscriminate self-medication.

Please to remember and teach your children also that the genuine Syrup of Figs always has the full name of the Company—California Fig Syrup Co.—plainly printed on the front of every package and that it is for sale in bottles of one size only. If any dealer offers any other than the regular Fifty cent size, or having printed thereon the name of any other company, do not accept it. If you fail to get the genuine you will not get its beneficial effects. Every family should always have a bottle on hand, as it is equally beneficial for the parents and the children, whenever a laxative remedy is required.

# SUMMER RASHES



Soothed by Baths with

## Cuticura SOAP

And gentle applications of Cuticura, the great Skin Cure, and purest and sweetest of emollients. For summer rashes, irritations, itchings, chafings, sunburn, bites and stings of insects, tired, aching muscles and joints, as well as for preserving, purifying, and beautifying the skin, scalp, hair, and hands, Cuticura Soap and Cuticura Ointment are Priceless.

Putter Drug & Chem. Corp., Sole Props., Boston. Mailed Free, "How to Care for Skin, Scalp, & Hair."

# Suffer in Silence

Tank Wasn't Filled. "I want to see your tank," said the waterworks man at the kitchen door. "Then you'll have to come around after midnight," answered Mrs. McSosh, savagely. "He's never home at this time o' day."—Cleveland Leader.

## FADED TO A SHADOW.

Worn Down by Five Years of Suffering from Kidney Complaint.

Mrs. Remethé Myers, of 180 South Tenth St., Ironton, O., says: "I have worked hard in my time and have been exposed again and again to changes of weather. It is no wonder my kidneys gave out and I went all to pieces at last. For five years I was fading away and finally so weak that for six months I could not get out of the house. I was nervous, restless and sleepless at night, and lame and sore in the morning. Sometimes everything would whirl and blur before me. I bloated so badly I could not wear tight clothing, and had to put on shoes two sizes larger than usual. The urine was disordered and passages were dreadfully frequent. I got help from the first box of Doan's Kidney Pills, however, and by the time I had taken four boxes the pain and bloating was gone. I have been in good health ever since."

Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

Many a man is honest because his price is too high.

## Natural Color of Pure Water.

It was long ago discovered that the natural color of pure water is blue, and not white, as most of us usually supposed. Opinions have not agreed on the cause of the green and yellow tints; these, it has been discovered by W. Spring, are due to extraneous substances. Dissolved calcium salts, though apparently giving a green tint, due to a fine invisible suspension, have no effect on the color of the water when adequate precautions are taken. The brown or yellow color due to iron salts is not seen when calcium is present. The green tint is often due to a condition of equilibrium between the color effect of the iron salts and the precipitating action of the calcium salts.—Scientific American.

## Southern Heirlooms at Auction.

It is said of William B. Norman, the auctioneer, who died recently, that he was responsible more than any other man for stripping the south of its old furniture. His auction room was a clearing house for ancestral mahogany from below Mason and Dixon's line, and to look about while a sale was in progress was to bring to mind all the glamour of before-the-war hospitality.

Lewis' Single Binder straight 5c cigar made of rich, mellow tobacco. Your dealer or Lewis' Factory, Peoria, Ill.

I would not enter on my list of friends the man who needlessly sets foot upon a worm.—Cowper.

Mrs. Winslow's Soothing Syrup. For children teething, softens the gums, reduces inflammation, allays pain, cures wind colic. See a bottle.

Talent is frequently mistaken for genius—by the fellow who has it.

# Thousands of Women

suffer every month in silence, tortures that would drive a man to the edge of despair. The ailments peculiar to women are not only painful but dangerous and should receive prompt treatment before they grow worse. If you suffer from pain, irregular functions, falling feelings, headache, side ache, dizziness, tired feeling, etc., follow the example of thousands of women who have been relieved or cured, and take Wine of Cardui.

Sold by all Druggists

# WINE OF CARDUI

# WINCHESTER

## REPEATING SHOTGUNS

are strong shooters, strongly made and so inexpensive that you won't be afraid to use one in any kind of weather. They are made 10, 12 and 16 gauge.

A FAVORITE OF AMERICAN SPORTSMEN

Sold Everywhere.

# PILES NO MONEY TILL CURED

## HAIRSMEN WANTED.

We want a live, active and thoroughly experienced salesman in the locality with sufficient money to buy outright his first month's supply of our Simplicity Low Pressure Hollow Wire Glassine Lighters. A utility needed in every store and home and fully complying with insurance requirements. To such a man we will give exclusive sales right and guarantee to refund money if goods not sold in 30 days. Further particulars on request. The Standard Glassine Light Co., 600 N. Halsted St., Chicago, Ill.

## LIVE STOCK AND MISCELLANEOUS

In great variety for sale at the lowest prices by A. F. BELLON & SONS, 10 W. Adams St., Chicago.

## YOUNG MEN

Learn Telegraphy and R. R. business, and secure good situations. Write J. B. BROWN, Mgr., Seattle, Mo.

## DEFIANCE STARCH

never sticks to the iron.

# IN WOMAN'S BREAST ANY LUMP IS CANCER

We will give \$200 to \$300 per month for fine-appearing, very gray physicians, registered in Illinois and Missouri, with hospital experience, to learn to cure cancers without knife or pain, in our sanitariums. Also younger physicians who are rapid typewriters. Send photos; write fully.

We charge nothing for treating cancer until cured and will give \$1,000 if we ever fail. We have cured more cancers than any other doctors living, and send the best 130-page book ever printed, on cancers cured at home, free. Address Dr. and Mrs. Chamlee & Co., Corner Pine and Twelfth Street, St. Louis, Missouri.

If afflicted with sore eyes, use Thompson's Eye Water.

# Plantation Chill Cure is Guaranteed

To Cure, or Money Refunded by Your Merchant. So, Why Not Try IT? Price, 50c.